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PTO SB 21 (08-06)

Approved for use through 10/31/2002 OMB 0651-0031

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	09 620,968
		Filing Date	July 20, 2000
		First Named Inventor	Shunpei YAMAZAKI
		Group Art Unit	2181
		Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	740756-2183

### ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Preliminary Amendment	<input type="checkbox"/> Declaration and Power of Attorney	
<input type="checkbox"/> After Final	<input type="checkbox"/> Licensing-related Papers	
<input type="checkbox"/> Affidavits/declarations	<input type="checkbox"/> Petition	
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Petition to Convert to a Provisional Application	
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Power of Attorney, Revocation	
<input type="checkbox"/> Information Disclosure Statement	Change of Correspondence Address	
<input type="checkbox"/> Certified Copy of Priority Documents	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Response to Missing Parts Pre-complete Application	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> CD, Number of CD(s)	
Remarks		
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 for the above identified docket number		

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Technology Center 2100

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Name or Individual name	Jeffrey L. Costellia - Reg. No. 35,483 Nixon Peabody LLP 8180 Greensboro Drive Suite 800 McLean, VA 22102
Signature	
Date	September 9, 2002

### CERTIFICATE OF MAILING

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PTO SB 17 (11-00)

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**PATENT & TRADEMARK OFFICE  
FEE TRANSMITTAL  
FOR FY 2002**

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT** (\$372.00)

Complete if Known	
Application Number	09 620,968
Filing Date	July 20, 2000
First Named Inventor	Shunpei YAMAZAKI
Examiner Name	
Group Art Unit	2818
Attorney Docket No	740756-2183

**METHOD OF PAYMENT**

1.  I, the undersigned, am hereby authorized to charge indicated fee and credit any overpayment to:

Depositor  
Acc. and  
NumberDeposit  
Account  
Name I declare that: Additional fee required under 37 CFR 1.16 and 1.17 Applicant claims small entity status. See 37 CFR 1.272.  Payment Enclosed:

- Check     Credit Card     Money Order     Other

**FEE CALCULATION**1. **BASIC FILING FEE**

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
101	4	Utility filing fee	
106	33	Design filing fee	
107	81	Plant filing fee	
108	74	Reissue filing fee	
114	160	Provisional filing fee	

**SUBTOTAL (1) (\$)**

0

2. **EXTRA CLAIM FEES**

	Extra Claims	Fee from below	Fee Paid
Single Dependent	52	12	52
Multiple Dependent	3**	4	3
Multiple Dependent		84	84

Large Entity Fee Code	Small Entity Fee Code	Fee Description	(S)
103	18	Claims in excess of 20	
102	84	Independent claims in excess of 3	
104	75	Multiple dependent claim, if not paid	
105	84	** for issue independent claims over original patent	
111	18	** for issue claims in excess of 12 and relating to a patent	

**SUBTOTAL (2) (\$)**

372.00

\*\* for number previously paid, if greater. For Reissues, see above.

**FEE CALCULATION (continued)**3. **ADDITIONAL FEES**

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
105	130	205	65 Surcharge - late filing fee or oath
127	50	227	25 Surcharge - late provisional filing fee or cover sheet
139	130	139	130 Non-English transaction
147	252*	147	252* for filing a request for ex parte reexamination
142	920*	112	920* Requesting publication of SIR prior to Examiner action
143	1,840*	113	1,840* Requesting publication of SIR after Examiner action
145	110	215	55 Extension for reply within first month
146	400	216	200 Extension for reply within second month
147	920	217	460 Extension for reply within third month
148	1,440	218	720 Extension for reply within fourth month
149	1,960	228	980 Extension for reply within fifth month
150	310	219	160 Notice of Appeal
151	310	220	160 Filing a brief in support of an appeal
171	250	221	140 Request for oral hearing
148	1,840	138	1,840 Petition to institute a public use proceeding
149	110	240	55 Petition to revive - unavoidable
141	1,250	241	640 Petition to revive - unintentional
142	1,250	242	640 Utility issue fee (or reissue)
143	460	243	230 Design issue fee
144	620	244	310 Plant issue fee
122	130	122	130 Petitions to the Commissioner
123	50	123	50 Processing fee under 37 CFR 1.17(q)
126	150	126	150 Submission of Information Disclosure Stmt
581	40	581	40 Recording each patent assignment per property (times number of properties)
146	74	246	77 Filing a submission after final rejection (37 CFR 1.129(d))
149	74	249	77 For each additional invention to be examined (37 CFR 1.129(d))
179	740	279	176 Request for Continued Examination (RCE)
169	900	169	900 Request for expedited examination of a design application
Other fee (specify)			

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)**

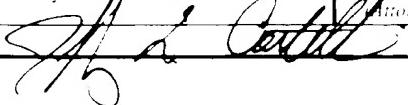
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Name

Complete if applicable

Name, Print Type	Jeffrey L. Costella	Registration No Attorney/Agent	35,483	Telephone	(703) 770-9300
Signature				Date	September 9, 2002

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Docket No. 740756-2183

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Shunpei YAMAZAKI

Serial No. 09 620,968

Filed: July 20, 2000

For: METHOD OF FORMING INSULATING FILMS,  
CAPACITANCES, AND SEMICONDUCTOR  
DEVICES

)

) Group Art Unit: 2818

) Examiner:

)

) Date: September 9, 2002

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please preliminary amend the subject application as follows.

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**IN THE CLAIMS:**

Please add new claims 2-22 as follows:

2. A method for manufacturing a semiconductor device comprising the step of:  
forming an insulating film comprising silicon nitride over a semiconductor by  
sputtering in an atmosphere consisting essentially of nitrogen.

3. A method according to claim 2 wherein the sputtering is performed by an RF  
sputtering method.

4. A method according to claim 2 wherein the semiconductor device is incorporated  
into an active matrix display device.

5. A method for manufacturing a semiconductor device comprising the step of:  
forming an insulating film comprising silicon nitride over a semiconductor by  
sputtering in an atmosphere consisting of nitrogen and argon.

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